

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 40-42 are rejected under 35 U.S.C. 102(b) as being anticipated by Kasai (US 2003/0030602).

As to **claim 40**, Kasai discloses a method of driving an electro-luminescence display device having pixels at intersections between data lines and scan lines and including light-emitting cells driven with a current, the method comprising the steps of:

sequentially sampling data signals applied to the data lines (Fig. 3(X1-Xm)) in a time interval when a scanning pulse is applied to the Nth scan line and storing them into a plurality of first sample holders (Fig. 3(Cd)) which are connected between a data driver and the data lines (see Fig. 3, Cd connected between a data driver 410 and data lines); and

temporarily increasing a current flowing (see Fig. 5d, Im is increased for a period of Tel) in the light-emitting cell largely using the data signals stored in the plurality of first sample holders in a time interval when the scanning pulse is applied to the (N+1)th scan line (see [0070]-[0074]).

As to **claim 41**, Kasai discloses the method according to claim 40, wherein the step of temporarily increasing the current flowing in the light-emitting cell largely includes:

pre-charging the currents flowing in the data line (see Fig. 5c, I_m is temporarily increased for period of T_{pr}) and the light-emitting cell in such a manner to be temporarily increased largely (see Fig. 5d, I_m is increased for a period of T_{el}).

As to **claim 42**, Kasai discloses the method according to claim 41, further comprising the steps of:

sequentially sampling the data signals applied to the data lines in a time interval when the scanning pulse is applied to the $(N+1)$ th scan line to store them into a plurality of second sampling holders (see [0075]-[0077]); and

temporarily increasing a current flowing in the light-emitting cell (see Fig. 5d(1e)) largely using the data signals stored in the plurality of first sample holders (Fig. 3(Cd)) in a time interval when the scanning pulse is applied to the N th scan line (see Fig. 2 and 3 (V_1) is applied to scan line Y).

Allowable Subject Matter

3. Claims 1 and 4-13 are allowed.

The following is a statement of reasons for the indication of allowable subject matter: Cited reference does not teach limitations in claim 1: *"pixels provided between data lines and scan lines, each of the pixels including a light-emitting cell driven with a current; a current controller for temporarily increasing the current for subsequent driving of the light-emitting cell; a data driver to apply*

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a data signal to the current controller; a light-emitting cell controller to control the current applied to the light-emitting cell; and a timing controller to apply the data signal to the data driver, and generating a first selection signal, a second selection signal, a third selection signal, a third selection signal, a fourth selection signal, a fifth selection signal, a sixth selection signal, a pre-charging selection signal and a pre-charging enable signal, wherein the current controller includes: a plurality of current sample holder portions connected to the data driver and the data line, and sampling the data signal from the data driver; and a plurality Of pre-charging current suppliers connected between supply voltage lines and the data lines to apply a pre-charging current to the data lines."

Response to Arguments

4. Applicant's arguments with respect to claims 40-42 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to YUK CHOW whose telephone number is (571)270-1544. The examiner can normally be reached on 8-6 M-TH E.T..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amare Mengistu can be reached on 571 272-7674. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Y. C./

Examiner, Art Unit 2629

/Amare Mengistu/
Supervisory Patent Examiner, Art Unit 2629